

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of Claims:

1-27. (Canceled)

28. (New) A file migration method between a first system and a second system, wherein the first system includes a first file access controller and a first storage system, the first storage system includes a plurality of first magnetic disk devices and a first storage controller coupled to the plurality of first magnetic disk devices, and the first file access controller manages a first file system configured in the first system, receives a file access request, and controls to access a file according to the file access request, and

wherein the second system includes a second file access controller and a second storage system, the second storage system includes a plurality of second magnetic disk devices and a second storage controller coupled to the plurality of second magnetic disk devices, and the second file access controller manages a second file system configured in the second system, receives a file access request, and controls to access a file according to the file access request,

wherein a plurality of policies including conditions of file migration are prepared by a plurality of software programs,

the file migration method comprising steps of:

(a) finding a file, which satisfies a condition of one of the plurality of policies, in the first file system;

(b) migrating the file, which satisfies the condition of the one of the plurality of policies, from the first system to the second system; and

(c) leaving information indicating a migration destination of the migrated file and information relating to one of the plurality of software programs, by which the one of the plurality of policies applied to the migrated file is prepared, in the first system.

29. (New) A file migration method according to claim 28,

wherein the information relating to the one of the plurality of software programs, which is left in the first system, is information indicating the one of the plurality of software programs, by which the one of the plurality of policies applied to the migrated file is prepared.

30. (New) A file migration method according to claim 29,

wherein the information indicating the migration destination of the migrated file and the information indicating the one of the plurality of software programs, by which

the one of the plurality of policies applied to the migrated file is prepared, are left in the first storage system.

31. (New) A file migration method according to claim 30,

wherein in the plurality of first magnetic disk devices, a first logical unit is configured, and in the plurality of second magnetic disk devices, a second logical unit is configured,

wherein in the step of migrating, data of the file is migrated from the first logical unit to the second logical unit, and

wherein in the step of leaving, the information indicating the migration destination of the migrated file and the information indicating one of the plurality of software programs, by which the one of the plurality of policies applied to the migrated file is prepared, are left in the first logical unit, from which the data of the file is migrated to the second logical unit.

32. (New) A file migration method according to claim 28,

wherein in the second system, another file name, which is different from an original file name of the migrated file used in the first system, is used to identify the migrated file, and

wherein the another file name used in the second system is further left in the first system.

33. (New) A file migration method according to claim 32,

wherein the information indicating the migration destination of the migrated file, the information relating to the one of the plurality of software programs, by which the one of the plurality of policies applied to the migrated file is prepared, and the another file name used in the second system are accessible by using the original file name.

34. (New) A file migration method according to claim 33,

wherein after migrating the file, if the first file access controller receives a file access request including the original file name, the first file access controller sends the second file access controller another file access request including the another file name used for the migrated file in the second system.

35. (New) A file migration method according to claim 28,

wherein information indicating a size of the migrated file, access permission to the migrated file, and creation date of the migrated file are further left in the first system.

36. (New) A file migration method according to claim 28,

wherein the first file access controller and the second file access controller are configured to provide an access to a file according to NFS or CIFS protocol.

37. (New) A file migration method according to claim 28,

wherein in the step of migrating, the file is read from the first file system, a write request to store the file in the second file system is transmitted to the second system, and the second file access controller writes the file according to the write request.

38. (New) A file migration method according to claim 37, wherein the write request transmitted to the second system is according to NFS or CIFS protocol.

39. (New) A method for migrating a file between a first system and a second system,

wherein the first system includes a first file access controller, a first storage controller, and a plurality of first magnetic disk devices, and the first file access controller receives a file access request from a computer and controls to access a file according to the received file access request, and

wherein the second system includes a second file access controller, a second storage controller, and a plurality of second magnetic disk devices, and the second

file access controller receives a file access request and controls to access a file according to the received file access request,

the method comprising steps of:

determining policies, which are used for migrating a file, by a plurality of software programs;

migrating a file from the first system to the second system by applying one of the policies; and

leaving information indicating a migration destination of the migrated file and information indicating which one of the plurality of software programs determines the one of the policies applied to the migrated file, in the first system.

40. (New) A method for migrating a file according to claim 39,

wherein in the plurality of first magnetic disk devices, a first logical unit is configured,

wherein in the step of migrating, data of the file is migrated from the first logical unit to the second system, and

wherein in the step of leaving, the information indicating the migration destination of the migrated file and the information indicating which one of the plurality of software programs determines the one the policies applied to the migrated file are left in the first logical unit, from which data of the file is migrated to the second system.

41. (New) A system for storing a file comprising:

a first system including a first file access controller and a first storage system, wherein the first storage system has a plurality of first magnetic disk devices and a first storage controller coupled to the plurality of first magnetic disk devices, and the first file access controller manages a first file system configured in the first system, receives a file access request, and controls to access a file according to the file access request, and

a second system including a second file access controller and a second storage system, wherein the second storage system has a plurality of second magnetic disk devices and a second storage controller coupled to the plurality of second magnetic disk devices, and the second file access controller manages a second file system configured in the second system, receives a file access request, and controls to access a file according to the file access request,

wherein when a file stored in the first system satisfies a condition of one of a plurality of policies, which are prepared by a plurality of software programs, the file is migrated from the first system to the second system, and

wherein information indicating a migration destination of the migrated file and information relating to one of the plurality of software programs, by which the one of the plurality of policies applied to the migrated file is prepared, remain stored in the first system.

42. A system for storing a file according to claim 41,

wherein the information relating to the one of the plurality of software programs, which remains stored in the first storage system, is information indicating the one of the plurality of software programs, by which the one of the plurality of policies applied to the migrated file is prepared.

43. (New) A system for storing a file according to claim 42,

wherein the first storage system stores the information indicating the migration destination of the migrated file and the information indicating the one of the plurality of software programs, by which the one of the plurality of policies applied to the migrated file is prepared, in the plurality of first magnetic disk devices.

44. (New) A system for storing a file according to claim 43,

wherein under the control of the first storage controller, a first logical unit is configured in the plurality of first magnetic disk devices,

wherein under the control of the second storage controller, a second logical unit is configured in the plurality of second magnetic disk devices,

wherein data of the file is migrated from the first logical unit to the second logical unit, and

wherein the first storage system stores the information indicating the migration destination of the migrated file and the information indicating the one of the plurality of software programs, by which the one of the plurality of policies applied to the migrated file is prepared, in the first logical unit, from which the data of the file is migrated to the second logical unit.

45. (New) A system for storing a file according to claim 41,

wherein in the second system, another file name, which is different from an original file name of the migrated file used in the first system, is used to identify the migrated file, and

wherein the another file name remains stored in the first system.

46. (New) A system for storing a file according to claim 45,

wherein the information indicating the migration destination of the migrated file, the information relating to the one of the plurality of software programs, by which the one of the plurality of policies applied to the migrated file is prepared, and the another file name are accessible by using the original file name.

47. (New) A system for storing a file according to claim 46,

wherein after a migration of the file, when the first file access controller receives a file access request including the original file name of the migrated file, the

first file access controller sends another file access request including the another file name of the migrated file to the second system.

48. (New) A system for storing a file according to claim 41,
wherein information indicating a size of the migrated file, access permission to the migrated file, and creation date of the migrated file further remain stored in the first system.

49. (New) A system for storing a file according to claim 41,
wherein the first file access controller and the second file access controller are configured to provide an access to a file according to NFS or CIFS protocol.

50. (New) A system for storing a file according to claim 41,
wherein when the file is migrated from the first system to the second system, the first file access controller reads the file from the first file system, and transmits a write request to the second system to store the file in the second file system, and the second file access controller writes the file according to the received write request.

51. (New) A system for storing a file according to claim 50,
wherein the write request transmitted from the first file access controller to the second system is according to NFS or CIFS protocol.

52. (New) A system for storing a file comprising:

a first system includes a first file access controller, a first storage controller, and a plurality of first magnetic disk devices, wherein the first file access controller receives a file access request from a computer and controls to access a file according to the received file access request, and

a second system includes a second file access controller, a second storage controller, and a plurality of second magnetic disk devices, wherein the second file access controller receives a file access request and controls to access a file according to the received file access request,

wherein when a file satisfies a condition of one of a plurality of policies, which are determined by a plurality of software programs, the file is migrated from the first system to the second system by applying the one of the plurality of policies, and

wherein information indicating a migration destination of the migrated file and information indicating which one of the plurality of software programs determines the one of the plurality of policies applied to the migrated file are left in the first system.

53. (New) A system for storing a file according to claim 52,

wherein in the plurality of first magnetic disk devices, a first logical unit is configured, and the file is migrated from the first logical unit to the second system by applying the one of the plurality of policies, and

wherein the information indicating the migration destination of the migrated file and the information indicating which one of the plurality of software programs determines the policy applied to the migrated file are left in a first logical unit, from which data of the file is migrated to the second system.